

United States Patent [19]

Fernandez

[11] Patent Number: 4,855,725

[45] Date of Patent: Aug. 8, 1989

[54] MICROPROCESSOR BASED SIMULATED BOOK

[76] Inventor: Emilio A. Fernandez, 1019 Salt Meadow La., McLean, Va. 22101

[21] Appl. No.: 291,433

[22] Filed: Dec. 28, 1988

Related U.S. Application Data

[63] Continuation of Ser. No. 124,593, Nov. 24, 1987, abandoned.

[51] Int. Cl.⁴ G09G 1/00

[52] U.S. Cl. 340/706; 40/365; 362/155; 358/194.1; 434/308; 434/317

[58] Field of Search 341/23, 31; 340/706, 340/802; 40/365, 571; 362/98, 99, 155; 364/410; 358/254, 194.1; 434/178, 307, 308, 317, 323, 365

[56] References Cited

U.S. PATENT DOCUMENTS

3,744,150	7/1973	Folson	434/178
4,002,355	1/1977	Sendor	434/317
4,159,417	6/1979	Rubincam	434/178
4,189,852	2/1980	Chatlien	434/178
4,209,824	6/1980	Kaufman	362/98
4,302,193	11/1981	Haynes	434/308
4,359,222	11/1982	Smith, III et al.	340/706
4,360,345	11/1982	Hon	434/323
4,363,081	12/1982	Wilbur	362/98
4,397,635	8/1983	Samuels	434/178
4,490,810	12/1984	Hon	364/410
4,555,859	12/1985	Corso	434/308
4,589,659	5/1986	Yokoi et al.	40/365
4,639,225	1/1987	Washizuka	358/254
4,656,469	4/1987	Oliver et al.	340/802
4,680,681	7/1987	Fisherman et al.	362/99
4,712,105	12/1987	Köhler	358/194.1

4,733,485	3/1988	Ozeki	40/365
4,745,397	3/1988	Langerbauer et al.	340/365 VL
4,755,883	7/1988	Uehira	358/194.1
4,914,275	12/1987	Engel et al.	434/178

FOREIGN PATENT DOCUMENTS

3036947	5/1982	Fed. Rep. of Germany	340/706
0129642	8/1983	Japan	340/706
1484250	9/1977	United Kingdom	434/308

Primary Examiner—David K. Moore

Assistant Examiner—M. Fatahiyar

Attorney, Agent, or Firm—Whitham and Marhoefer

[57] ABSTRACT

A user interactive mass storage data access system includes a personal computer (10) and a simulated book (30). A mass storage device, such as a compact disk (CD) read only memory (ROM) (22), is connected to the personal computer, and the computer and the simulated book are connected by an infrared (IR) data communications link including IR transceivers (26, 48). The simulated book includes a display screen (34) and a microprocessor (43) with memory (44, 46). The microprocessor is programmed for storing data received and decoded by its IR transceiver (48) in memory (46) and responsive to user input for displaying a page of data on the display screen. In addition, the microprocessor is programmed to cause its IR transceiver (48) to transmit to the IR transceiver (26) connected to the personal computer (10) a data request command, and the personal computer is in turn programmed to transmit data from the CD ROM (22) to the simulated book (30). Data can be loaded in the simulated book and accessed at a later time when out of the proximity of the personal computer.

15 Claims, 4 Drawing Sheets

